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PTO/SB/81 (02-01)
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10/012,002

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Filing Date November 30, 2001 **POWER OF ATTORNEY OR First Named Inventor** Knowles, et al. **AUTHORIZATION OF AGENT Group Art Unit** 2828 D. Flores Ruiz **Examiner Name**

Application Number

		Attorney Docket N	umber 2001-0090-0	01		
I hereby appoint:						
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Albert P. Cefa			27,315			
William Cray			27,627	'		
	or agent(s) to prosecute the States Patent and Tradema			o transact all		
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Firm or Individual Name	Albert P. Cefalo and William	Cray				
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Country	USA		,			
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I am the: Applicant/Inventor.						
Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).						
SIGNATURE of Applicant or Assignee of Record						
Name Nancy	J. Baker, Senior Vice President	and CFO				
Signature	and & Bake					
Date July	23,2863					
NOTE: Signatures of all the inv multiple	entors or assignees of record of the	entire interest or the	eir representative(s)	are required. Submit		
Total offo	orms are submitted.					

STATEMENT UNDER 37 CFR 3.73(b) Applicant: David Knowles, et al. Filed: November 30, 2001 Application No.: 10/012,002 Entitled: VERY NARROW BAND, TWO CHAMBER, HIGH REP RATE, GAS DISCHARGE LASER Cymer, Inc. _____, a Corporation (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.) states that it is: 1. the assignee of the entire right, title, and interest; or an assignee of an undivided part interest in the patent application identified above by virtue of either: A. [/] An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 012869 Frame __0412 , or for which a copy thereof is attached. OR B. [] A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below: 1. From: To: The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached. 2. From: _ To: The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached. 3. From: To: The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached. [] Additional documents in the chain of title are listed on a supplemental sheet. [] Copies of assignments or other documents in the chain of title are attached. The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee. July 23, 2003 Nancy J. Baker Typed or printed name Senior Vice President and CFO Title



DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

ATTORNEY DOCKET NO. 2001-0090-1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

VERY NARROW BAND, TWO CHAMBER, HIGH REP RATE GAS DISCHARGE LASER SYSTEM

(x) was filed and was a I hereby state that I ha the claims, as amenda information which is n Foreign Application(s) and	ed by any amendment(s) reinaterial to patentability as de d/or Claim of Foreign Priority ity benefits under Title 35, United S have also identified below any fore	US Application Serial if applicable). od the contents of the aftered to above. I ackrefined in 37 CFR 1.56.	No. 10/012,002 above-identified specification, including nowledge the duty to disclose all
COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C.

Provis	ional	Anni	ication

N/A

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE
N/A	

U.S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS (patented/pending/abandoned
unassigned	November 29, 2001	Pending
09/943,343	August 29, 2001	Pending
09/854,097	May 11, 2001	Pending
09/848.043	May 3, 2001	Pending
09/459.165	December 10, 1999	Pending
09/794,782	February 27, 2001	Pending
09/771,789	January 29, 2001	Pending
09/768,753	January 23, 2001	Pending
09/684,629	October 6, 2000	Pending
09/597.812	June 19, 2000	Pending
09/473.852	December 27, 1999	Pending

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

John R. Ross, Reg. No. 30,350

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Residence/Post Office Address:	15227 Crestview Drive Poway, California 92064 し、加。	,
Residence/Post Office Address: Inventor's Signature:	15227 Crestview Drive Poway, California 92064 し、加。	Date: 4/16/02
Residence/Post Office Address: Inventor's Signature: Full Name of Inventor (please print): Residence/Post Office Address:	15227 Crestview Drive Poway, California 92064 2. Ma Alexander I. Ershov 11312 Meadow Flower Place San Diego, California 92127	Date: 4/16/02
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Residence/Post Office Address: Inventor's Signature: Full Name of Inventor (please print): Residence/Post Office Address:	15227 Crestview Drive Poway, California 92064 2. Mg Alexander I. Ershov 11312 Meadow Flower Place San Diego, California 92127 Let I Proches	Date: 4/16/0 C
Residence/Post Office Address: Inventor's Signature: Full Name of Inventor (please print): Residence/Post Office Address: Inventor's Signature:	15227 Crestview Drive Poway, California 92064 2. Mg Alexander I. Ershov 11312 Meadow Flower Place San Diego, California 92127 Let I Proches	Date: 4/16/01 Citizenship: United States Date: 03/14/2002
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	San Diego, California 92128		
Inventor's Signature:		Date:	

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	·		
Full Name of Inventor (please print):		Citizenship:	
Residence/Post Office Address:			
Inventor's Signature:		Date:	

PATENT APPLICATION

DECLARATION AND POWER OF , ORNEY FOR PATENT APPLICATION

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Full Name of Inventor (please print):	Richard L. Sandstrom	Citizenship:	United States
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	•		
Full Name of Inventor (please print):	Palash P. Das	, Citizenship:	United States
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	Vista, California 92084		
Inventor's Signature:		Date:	
Full Name of Inventor (please print):	Stuart L. Anderson	Citizenship:	United States
Residence/Post Office Address:	4407 Benhurst		
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Inventor's Signature:	rdem	Date: <u>3</u> ⋅	7.2002
Full Name of Inventor (please print):	Igor V. Fomenkov	Citizenship:	United States
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Inventor's Signature:		Date:	
Full Name of Inventor (please print):	Richard C. Ujazdowski	Citizenship:	United States
Residence/Post Office Address:	13420 Granite Creek Road		
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Inventor's Signature:		Date:	, , ,
			0
Full Name of Inventor (please print):		Citizenship:	Germany
Residence/Post Office Address:	12008 Caminito Ryone		
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Inventor's Signature:		Date:	

PATENT APPLICATION

DECLARATION AND POWER OF FOR PATENT APPLICATION

ORNEY

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Full Name of Inventor (please print):	Richard L. Sandstrom	Citizenship:	United States
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Inventor's Signature: Edul	San Diego, California 92128	Data: F	3/06/02
inventor's Signature: COCCCC	20° 12 K- ()	Date:(_/	3/00/02

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

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		Data	
Inventor's Signature:	<u> </u>	Date:	
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Full Name of Inventor (please print):		Omzensiip.	
Residence/Post Office Address:			
Importante Cimpotores		Date:	
Inventor's Signature:		Date.	



JULY 11, 2002

CYMER, INC.

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JOHN R. ROSS LEGAL DEPARTMENT MS/1-2A 16750 VIA DEL CAMPO COURT SAN DIEGO, CALIFORNIA 92127-1712

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DOC DATE: 04/05/2002

ASSIGNOR:

BROWN, DANIEL J.W.

DOC DATE: 04/03/2002

ASSIGNOR:

BESAUCELE, HERVE A.

DOC DATE: 04/05/2002

ASSIGNOR:

MYERS, DAVID W.

DOC DATE: 04/16/2002

ASSIGNOR:

ERSHOV, ALEXANDER I.

DOC DATE: 03/14/2002

ASSIGNOR:

PARTLO, WILLIAM N.

DOC DATE: 03/19/2002

ASSIGNOR:

SANDSTROM, RICHARD L.

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ANDERSON, STUART L. DOC DATE: 03/15/2002

ASSIGNOR:

FOMENKOV, IGOR V. DOC DATE: 03/14/2002

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ONKELS, ECKEHARD D. DOC DATE: 03/14/2002

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NESS, RICHARD M. DOC DATE: 04/03/2002

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HULBURD, WILLIAM G. DOC DATE: 04/03/2002

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16750 VIA DEL CAMPO COURT LEGAL DEPARTMENT MS/1-2A

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SERIAL NUMBER: 10012002 FILING DATE: 11/30/2001

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Address (line 2) Legal Depart	tment MS/1-2A			
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Statement and Signa	ature			
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Name (line 2)			Execution Date Month Day Year
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Conv ying F Enter additional	Party(i s) Conv ying Parties	✓ Mark if addition	onal names of c nv yi	ng parti s attad	ch d Execution Date Month Day Year
Name (line 1)	William N. Partlo				03/19/2002
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Name (line 2)					Execution Date Month Day Year
Name (line 1) {	Richard L. Sandstrom				03/19/2002
Name (line 2)					Execution Date Month Day Year
Name (line 1)	Palash P. Das				04/16/2002
Name (line 2)					
Receiving P	artv		Mark if additional nar	nes of receivin	a narties attached
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Name (line 1)					is an assignment and the receiving party is not
Name (line 2)					domiciled in the United States, an appointment of a domestic
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Name (lin 1)	Stuart L. Anderson			03/15/2002
ivanie (iiii i) [Stuart D. Anderson			03/13/2002
Name (line 2)				Execution Date Month Day Year
Name (line 1)	Igor V. Fomenkov			03/14/2002
Name (line 2)				Execution Date
Name (line 1)	Richard J. Ujazdowski			03/19/2002
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Name (line 2)				receiving party is not domiciled in the United States, an appointment of a domestic
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U.S. Department of Commerce Patent and Trademark Office PATENT

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Name (line 2)			Execution Date Month Day Year
Name (line 1)	Richard M. Ness		04/03/2002
Name (line 2)			Execution Date Month Day Year
Name (line 1)	Scott T. Smith		03/19/2002
Name (line 2)			
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Conveying F Enter additional	Party(i s) Conveying Parties	Mark if additional names for	c nv ying parties atta	ch d Execution Date Month Day Year
Name (line 1)	William G. Hulburd			04/03/2002
Name (line 2)				Execution Date Month Day Year
Name (line 1)	Jeffrey Oicles			04/03/2002
Name (line 2)				Execution Date Month Day Year
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Name (line 2)				receiving party is not domiciled in the United States, an appointment of a domestic
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Address (line 2)				Assignment.)
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Name (line 2)				is an assignment and the receiving party is not domiciled in the United States, an appointment
Address (line 1)				of a domestic representative is attached. (Designation must be a
Address (line 2)				separate document from Assignment.)
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Attorney Docket No. <u>2001-0090-1</u>

CYMER, Inc.

Attn: , Legal Dept, CSD 1-2A 16750 Via Del Campo Court San Diego, California 92127

When recorded please return to:

ASSIGNMENT OF PATENT APPLICATION

We; David S. Knowles, Daniel J. W. Brown, Herve A. Besaucele, David W. Myers, Alexander I. Ershov, William N. Partlo, Richard L. Sandstrom, Palash P. Das, Stuart L. Anderson, Igor V. Fomenkov, Richard C. Ujazdowski, Eckehard D. Onkels, Richard M. Ness, Scott T. Smith, William G. Hulburd and Jeffrey Oicles, the undersigned, have agreed and hereby agree to assign to CYMER, Inc., a Nevada corporation having its principal place of business in San Diego, California (hereinafter CYMER), for good and valuable consideration, receipt of which is hereby acknowledged, and do hereby sell, assign and transfer to CYMER, its successors and assigns, the entire right, title and interest, including the right of priority, in and to our invention for:

VERY NARROW BAND, TWO CHAMBER, HIGH REP RATE GAS DISCHARGE LASER SYSTEM

as described and/or claimed in our application for Letters Patent of the United States of America, filed November 30, 2001, as USSN 10/012,002, and as described and/or claimed in any and all continuations, continuations-in-part (C-I-Ps), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or re-examinations, or extensions of said Letters Patent.

We additionally authorize CYMER to file applications in our name for Letters Patent in any country, to be held and enjoyed by CYMER, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made;

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to CYMER, its successors, assigns, nominees or legal representatives, and we agree to communicate to CYMER, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-Ps, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid CYMER, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by CYMER;

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to CYMER, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

ASSIGNMENT OF PATENT APPLICATION (Cont'd.)

Attorney Docket No. 2001-0090-1 USSN 10/012,002 Filed November 30, 2001

Attorney Docket No. 2001-0090-1

CYMER, Inc. Attn: Legal Dept, CSD 1-2A 16750 Via D I Campo Court San Diego, California 92127

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ASSIGNMENT OF PATENT APPLICATION

We; David S. Knowles, Daniel J. W. Brown, Herv A. Besaucele, David W. Myers, Alexand r I. Ershov, William N. Partlo, Richard L. Sandstrom, Palash P. Das, Stuart L. And rson, Igor V. Fomenkov, Richard C. Ujazdowski, Eckehard D. Onkels, Richard M. Ness, Scott T. Smith, William G. Hulburd and Jeffrey Oicles, th undersigned, have agreed and hereby agre to assign to CYMER, Inc., a Nevada corporation having its principal place of business in San Diego, California (hereinafter CYMER), for good and valuable consideration, receipt of which is hereby acknowledged, and do hereby sell, assign and transfer to CYMER, its successors and assigns, the entire right, title and interest, including the right of priority, in and to our invention for:

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AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to CYMER, its successors, assigns, nominees or legal representatives, and we agree to communicate to CYMER, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-Ps, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid CYMER, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by CYMER;

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We hereunto set our hands and seals:

Dated:	
	David S. Knowles
Dated:	<u> </u>
	Daniel J. W. Brown
Dated:	Herve A. Besaucele
.	Fields A. Desaucele
Dated:	David W. Myers
Dated:	·
	Alexander I. Ershov
Dated:	
•	William N. Partlo
Dated:	B:
	Richard L. Sandstrom
Dated:	Palash P. Das
Dated: 3.15.2002	
Dated: Discourse	Stuart L. Anderson
Dated:	·
	Igor V. Fomenkov
Dated:	
	Richard C. Ujazdowski
Dated:	
	Eckehard D. Onkels
Dated:	Richard M. Ness
	1 (ICHAIG IV. 14633

When recorded please r turn to:

CYMER, Inc.

Attn: Legal Dept, CSD 1-2A 16750 Via Del Campo Court San Diego, California 92127 Attorney Docket No. 2001-0090-1

ASSIGNMENT OF PATENT APPLICATION

We; David S. Knowles, Daniel J. W. Brown, Herve A. Besaucele, David W. Myers, Al xander I. Ershov, William N. Partlo, Richard L. Sandstrom, Palash P. Das, Stuart L. Anderson, Igor V. Fomenkov, Richard C. Ujazdowski, Eckehard D. Onkels, Richard M. Ness, Scott T. Smith, William G. Hulburd and Jeffrey Oicles, the undersigned, have agreed and hereby agree to assign to CYMER, Inc., a Nevada corporation having its principal place of business in San Diego, California (hereinafter CYMER), for good and valuable consideration, receipt of which is hereby acknowledged, and do hereby sell, assign and transfer to CYMER, its successors and assigns, the entire right, title and interest, including the right of priority, in and to our invention for:

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We hereunto set our hands and seals:

Dated:	
	David S. Knowles
Dated:	
Dateu	Daniel J. W. Brown
Dated:	Herve A. Besaucele
	Tierve A. Besaudore
Dated:	David M. Marra
	David W. Myers
Dated:	
	Alexander I. Ershov
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	William N. Partlo
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	Stuart E. Anderson
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	Richard G. Ujazdowski
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	Eckehard D. Onkels
Datada	
Dated:	Richard M. Ness

ASSIGNMENT OF PATENT APPLICATION (Cont'd.)

Attorney Docket No. 2001-0090-1 USSN 10/012,002 Filed November 30, 2001

Dated:	•
-	Scott T. Smith
Dated:	
	William G. Hulburd
Dated: 3/30/02	
, .	Jeffrey Oicles